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ABSTRACT OF THE DISCLOSURE

1 This invention pertains to the design of optimized far field viewing devices that
2 simultaneously produce bright far field holographic light patterns and achieve good see-
3 through performance to present a well focused scene. A far field transmission hologram
4 recorded on a transparent substrate has regions having high diffraction efficiency
5 juxtaposed with regions having low diffraction efficiency. The high diffraction efficiency
6 regions contribute to production of bright far field holographic light patterns, whereas the
7 low diffraction efficiency regions contribute to see-through performance.

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